IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: Vladimir Fuflyigin	Art Unit	: 1762
Serial No.	: 10/720,453	Examiner	: David P. Turocy
Filed	: November 24, 2003	Conf. No.	: 4085
Title	: DIELECTRIC WAVEGUIDE AND METHOD OF MAKING THE SAME		

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant requests consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

The following application is related to the present application in that it claims the benefit of, or priority to, one or more common applications:

1. U.S. Patent Application Serial No. 10/720,606, filed on November 24, 2003, now published as U.S. Publication No. US 2004-0141702 A1.

We invite the Examiner to review the prosecution file for this related application because they may disclose and claim similar subject matter. We presume that the Examiner has access to these files; however, we are happy to provide such files upon request.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

June 14, 2006
Date of Deposit

M. Florczak
Signature

Mary K. Florczak
Typed or Printed Name of Person Signing Certificate

06/16/2006 CCHAU1 00000074 10720453
02 FC:1806 180.00 OP

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for $180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 6/14/2006

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13445-026001	Application No. 10/720,453
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Vladimir Fuflyigin	
		Filing Date November 24, 2003	Group Art Unit 1762

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	H1754	10/1998	Tran et al.			
	AB	3,850,604	11/1974	Klein			
	AC	3,938,974	02/1976	Macedo et al.			
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	AE	4,324,803	04/1982	Bergmann, et al.			
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	AY	5,949,935	09/1999	Schaafsma, et al.			
	AZ	5,991,486	11/1999	Braglia			
	AAA	6,058,127	05/2000	Joannopoulos, et al.			

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	ABB	6,075,915	06/2000	Koops et al.			
	ACC	6,108,474	08/2000	Eggleton, et al.			
	ADD	6,115,526	09/2000	Morse			
	AEE	6,128,429	10/3/2000	Cole et al.			
	AFF	6,130,780	10/10/2000	Joannopoulos et al.			
	AGG	6,175,671	01/2001	Roberts			
	AHH	6,195,483	02/2001	Moon, et al.			
	AII	6,201,916	03/2001	Eggleton et al.			
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	APP	6,404,966	06/2002	Kawanishi et al.			
	AQQ	6,413,891	07/2002	Cho et al.			
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	AXX	6,895,154	5/17/2005	Johnson et al.			
	AYY	6,898,359	5/24/2005	Soljacic et al.			
	AZZ	6,903,873	6/7/2005	Joannopoulos et al.			
	AAAA	2001/0026667	10/2001	Kawanishi, et al.			
	ABBB	2002/0039046	04/2002	Lipson, et al.			

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	ACCC	2003/0044158	03/2003	King et al.			
	ADDD	2003/0044159	3/6/2003	Anderson et al.			
	AEEE	2004/0013379	1/22/2004	Johnson et al.			
	AFFF	2004/0137168	7/15/2004	Fuflyigin			
	AGGG	2004/0141702	7/22/2004	Fuflyigin et al.			
	AHHH	2004/0223715	11/11/2004	Benoit et al.			
	AIII	2005/0226579	10/13/2005	Fink et al.			
	AJJJ	2005/0259933	11/24/2005	Temelkuran et al.			
	AKKK	2005/0259934	1124/2005	Temelkuran et al.			
	ALLL	2005/0259942	11/24/2005	Temelkuran et al.			
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	ANNN	2005/0271340	12/8/2005	Weisberg et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AOOO	0955273	11/1999	EP				
	APPP	WO 200284345	10/2002	WIPO				
	AQQQ	WO 200261467	08/2002	WIPO				
	ARRR	2,288,469	10/1995	Great Britain				
	ASSS	0 195 630	09/1986	Europe				
	ATTT	0 426 203	05/1991	Europe				
	AUUU	2000-035521	02/2000	Japan				
	AVVV	2001-051244	02/2001	Japan				
	AWWW	WO 94/09393	04/1994	WIPO				
	AXXX	WO 94/16345	07/1994	WIPO				
	AYYY	WO 97/01774	01/1997	WIPO				
	AZZZ	WO 00/22466	04/2000	WIPO				

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	ACCCC	A. S. Oliveira et al., "Frequency upconversion in Er^{3}+/Yb^{3+}-codoped chalcogenide glass," Appl. Phys. Lett, 72 (7): 753-755 (1998).
	ADDDD	A. T. Clausen et al., "10-GHz return-to-zero pulse source tunable in wavelength with the single- or multiwavelength output based on four-wave mixing in a newly developed highly nonlinear fiber," IEEE Photon. Technol. Lett., 13 (1): 70-72 (2001).
	AEEEE	Andrea Melloni et al., "All-optical switching in phase-shifted fiber Bragg grating," IEEE Photonics Technology Letters, 12 (1): 42-44, January 2000.
	AFFFF	B. E. Little et al., "Microring resonator arrays for VLSI photonics", IEEE Photon. Technol. Lett., 12 (3): 323-325 (2000).
	AGGGG	Berger V. "From photonic band gaps to refractive index engineering." Optical Materials, 11:2-3, Jan. 1999, pp. 131-142.
	AHHHH	B. J. Eggleton et al., "All-optical switching in long-period fiber gratings," Optics Letters, 22 (12): 883-885, June 15, 1997.
	AIIII	B. J. Eggleton et al., "Grating resonance in air-silica microstructured optical fibers", Opt. Lett., 24 (21): 1460 (1999).
	AJJJJ	B. Malo, et al., "Photosensitivity in phosphorous-doped silica glass and optical waveguides," Appl. Phys. Lett 65 (4): 394 (1994).
	AKKKK	Chang et al. "Vector Normal Modes on Two-Core Optical Fibers – Part I: The Normalmode solutions." Journal of Lightwave Technology, 15:7, Jul. 1997, pp. 1213-1223.
	ALLLL	D. Furniss et al., "A novel approach for drawing optical fibers from disparate core/clad. glasses," J Non-Cryst. Sol. 213-214: 141-146 (1997).
	AMMMM	E. Anderson et al., "Dielectric Materials for Manufacturing Photonic Bandgap Waveguide," US Patent Disclosure, (2001).
	ANNNN	E. Brinkmeyer, et al., "Fibre Bragg reflector for mode selection and line-narrowing of injection lasers", Electron. Lett., 22 (3): 134 (1986).
	AOOOO	Feigel A. et al. "Chalcogenide glass-based three-dimensional photonic crystals." Applied Physics Letters, 77:20, pp. 3221-3223, November 13, 2000.
	APPPP	Fink et al. "Guiding optical Light in Air Using an All-Dielectric Structure;" Journal of Lightwave Technology, Vol. 17, no. 11, November 1999
	AQQQQ	G. Meltz, et al., "Formation of Bragg gratings in optical fibers by a transverse holographic method", Opt.Lett., 14 (15): 823 (1989).
	ARRRR	G. S. He et al., "Efficient amplification of a broad-band optical signal through stimulated Kerr scattering in a CS2 liquid-core fiber system," IEEE J. Quantum Electron., 28 (1): 323-329 (1992).
	ASSSS	H.A. Haus, et al., "Antisymmetric taper of distributed feedback lasers", IEEE J. Quantum Electron., QE-12 (9): 532 (1976).

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	AUUUU	J. Fick et al., "High photoluminescence in erbium-doped chalcogenide thin films," J. Non-cyrstalline Solids, 272 (2-3): 200-208 (2000).
	AVVVV	J. Kobelke et al., "Chalcogenide glass single mode fibers--preparation and properties," J. Non-Cyrstalline Solids, 256-7: 226-231 (1999).
	AWWWW	J. M. Harbold et al., "Highly nonlinear As-S-Se glasses for all-optical switching," Optics Lett., 27 (2): 119-121 (2002).
	AXXXX	J. Marchionda et al., "Advanced rod in tube techniques for fluoride fiber fabrication," Ceramics Transactions, Solid-State Optical Materials, eds. Allan J. Bruce and B.V. Hiremath, 28: 587-596 (1992).
	AYYYY	Johnson et al., "Low-loss asymptotically single-mode propagation in large-core OmniGuide fibers," OPTICS EXPRESS, Vol. 9, No. 13, pages 748-779, December 17, 2001.
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	AAAAAA	Jia Jiang et al., "Fluorophosphate cladding glasses for fluoride glass fibers," J Non-Cryst. Sol., 213 and 214: 11-15 (1997).
	ABBBBB	J-X Cai, et al., "Simultaneous tunable dispersion compensation of many WDM channels using a sampled nonlinearly chirped fiber Bragg grating", IEEE Photon. Tech. Lett., 11 (11): 1455 (1999).
	ACCCCC	K. O. Hill, et al., "Photosensitivity in optical fiber waveguides: Application to reflection filter fabrication", Appl. Phys. Lett., 32 (10): 647 (1978).
	ADDDDD	K. O. Hill, et al., "Efficient mode conversion in telecommunication fibre using externally written gratings", Electron. Lett., 26 (16): 1270 (1990).
	AEEEEE	L. F. Stokes, et al., "All-single-mode fiber resonator", Opt. Lett., 7 (6): 288 (1982).
	AFFFFF	Louis Poirier et al., "Nonlinear coaxial photonic crystal," Applied Physics Letters, 78 (18): 2626-2628, April 30, 2001.
	AGGGGG	Massadegh R. et al. "Fabrication of single-mode chalcogenide optial fiber." Journal of Lightwave Technology, 16:2, pp. 214-216, February 1998.
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	AJJJJJ	Monro, T.M. et al. "Chalcogenide Holey Fibres." Electronics Letters, 36:24, pp. 1998-2000, November 23, 2000.
	AKKKKK	M. Skorobogatiy et al., Optics Express, 10, p. 1227 (2002)
	ALLLLL	M.W. Moore et al., "Sputtering of Chalcogenide Coatings on to Fluoride Glass," Novel Glasses and Processes, pp 193-197.
	AMMMMM	N. Croitoru, et al., "Characterization of hollow fibers for the transmission of infrared radiation", Appl. Opt., 29 (12): 1805 (1990).
	ANNNNN	Nishii, J. et al. "Chalcogenide glass fiber with a core-cladding structure." Applied Optics, 28: 23, pp. 5122-5127, December 1, 1989.
	AOOOOO	Piere R. Villeneuve et al., "Single-mode waveguide microcavity for fast optical switching," Opt. Lett., 21 (24): 2017-2019, December 15, 1996.

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Examiner Initial	Desig. ID	Document
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	AQQQQQ	R. E. Smith et al., "Reduced coupling loss using a tapered-rib adiabatic-following fiber coupler," IEEE Photon. Technol. Lett., 8 (8): 1052-1054 (1996).
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	ASSSSS	R. Nubling and J. Harrington "Hollow-waveguide delivery systems for high-power, industrial CO_2 lasers," Applied Optics, 34, No. 3, pp. 372-380 (1996)
	ATTTTT	R. U. Ahmad et al., "Ultracompact corner-mirror and T-branches in silicon-on-insulator," IEEE Photon. Technol. Lett., 14 (1): 65-76 (January 2002).
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	AYYYYY	Stojan Radic et al., "Theory of low-threshold optical switching in nonlinear phase-shifted periodic structures," J.Opt.Soc.Am. B, 12 (4): 671-680, April 1995.
	AZZZZZ	T. Cardinal et al., "Non-linear optical properties of chalcogenide glasses in the system As-S-Se," J. Non-Cyrstalline Solids, 256-7: 353-360 (1999).
	AAAAAA	T.A. Birks et al., "Dispersion Compensation Using Single-Material Fibers," IEEE Photonics Technology Letters, 11 (6): 674-676 (1999).
	ABBBBB	Y. Fink et al., "Block copolymers as photonic band gap materials," J. Lightwave Tech., 17 (11): 1963-1969, (JLT IEEE-special issue on photonic crystals-invited paper) (1999).
	ACCCCC	Y. Matsuura, et al., "Hollow glass waveguides with three layered dielectric coating fabricated by chemical vapor deposition," J. Opt. Soc. Amer., 14 (6): 1255 (1997).
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	AEEEEE	Y. Yamamoto et al., Phys. Today, 46: 66-73 (1993).
	AFFFFF	Yoel Fink et al., "A dielectric omnidirectional reflector," Science, 282: 1679-1682 (1998).
	AGGGGG	Yong Xu et al., "Asymptotic Analysis of Bragg Fiber," Optics Letters, 25 (24): 1756-1758 (2000).
	AHHHHH	

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